

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04Q 7/22, H04Q 7/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6161008 A (HEE C. LEE ETE AL), 12 December 2000 (12.12.2000), column 6, line 44 - line 55; column 8, line 63 - column 9, line 29 --	1-17
A	US 6577718 B1 (CHARLES R. KALMANEK, JR. ET AL.), 10 June 2003 (10.06.2003), column 3, line 59 - column 4, line 5; column 31, line 32 - line 56 --	1-17
A	US 6640248 B1 (JAKOB W. JORGENSEN), 28 October 2003 (28.10.2003), column 38, line 1 - line 62; column 40, line 3 - line 11 -- -----	1-17

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

29 July 2004

Date of mailing of the international search report

02 -08- 2004

Name and mailing address of the ISA/  
Swedish Patent Office  
Box 5055, S-102 42 STOCKHOLM  
Facsimile No. +46 8 666 02 86

Authorized officer

Stefan Hansson/MN  
Telephone No. +46 8 782 25 00

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SE 2003/002099

US 6161008 A 12/12/2000 NONE

US 6577718 B1 10/06/2003 NONE

US 6640248 B1 28/10/2003

AU	5920000	A	13/02/2001
AU	5920100	A	30/01/2001
AU	6074600	A	30/01/2001
AU	6078400	A	30/01/2001
EP	1197040	A	17/04/2002
JP	2003521138	T	08/07/2003
WO	0105098	A	18/01/2001
WO	0105099	A	18/01/2001
WO	0105100	A	18/01/2001
WO	0108372	A	01/02/2001
US	6377585	B	23/04/2002
US	6452915	B	17/09/2002
US	6590885	B	08/07/2003
US	6594246	B	15/07/2003
US	6628629	B	30/09/2003
US	6680922	B	20/01/2004
US	2002064174	A	30/05/2002
US	2002099854	A	25/07/2002
US	2003067903	A	10/04/2003